

Title (en)

Fuel injector with weld integrity arrangement

Title (de)

Brennstoffeinstspritzventil mit einer Anordnung zur Verbesserung der Integrität der Schweissnaht

Title (fr)

Injecteur de carburant avec agencement pour garantir l'intégrité d'une soudure

Publication

**EP 1103719 A3 20030618 (EN)**

Application

**EP 00204068 A 20001116**

Priority

US 44741299 A 19991123

Abstract (en)

[origin: EP1103719A2] A fuel injector (10) assembly with fluid communication cut-outs is disclosed which includes a method of forming a fuel injector that allows weld integrity evaluation between a shell (60) and a body (42) of the fuel injector, the fuel injector having a fuel inlet (16), a fuel outlet, a fuel passageway extending from the fuel inlet to the fuel outlet along a longitudinal axis, the body having an exterior surface, and the shell having an interior surface, the method including the steps of securing the shell (60) to the exterior surface of the body (42), and cincturing the exterior surface of the body with the interior surface of the shell such that fluid communicates between the exterior surface of the body and the fuel passageway for particular weld integrities. <IMAGE>

IPC 1-7

**F02M 51/06**; **F02M 61/16**

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

**F02M 51/0671** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **Y10T 29/49433** (2015.01 - EP US)

Citation (search report)

- [XA] WO 9804826 A1 19980205 - SIEMENS AUTOMOTIVE CORP LP [US], et al
- [XA] EP 0728942 A1 19960828 - BOSCH GMBH ROBERT [DE]

Cited by

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**EP 1103719 A2 20010530**; **EP 1103719 A3 20030618**; **EP 1103719 B1 20070808**; DE 60035844 D1 20070920; DE 60035844 T2 20080508; US 6283384 B1 20010904

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